

ABSTRACT

An artificial antigen presenting cell includes a liposome having at least one recombinant soluble MHC-peptide complex incorporated therein. The artificial antigen presenting cell may also include at least one additional signal molecule incorporated therein for manipulating the intensity and quality of the immune response. The recombinant soluble MHC molecule is obtained by a method utilizing PCR amplification of gDNA or cDNA, and a tag is attached thereto for anchoring the recombinant soluble MHC molecule to the liposome.